



Attorney/Docket No. 23100.61  
Customer No. 27683

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:  
McAnalley et al.

Serial No. 10/648,047

Filed: 8/26/03

For: ANTIOXIDANT COMPOSITIONS  
AND METHODS THERETO

§ Confirmation No.: 3228  
§  
§ Group Art Unit: 1651  
§  
§ Examiner: N/A  
§  
§  
§

**INFORMATION DISCLOSURE STATEMENT**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Certificate of Mailing	
I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail in an envelope addressed to Commissioner For Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on <u>1/8/2004</u>	
Printed Name	<u>Ellen Lovelace</u>
Signature	<u>[Signature]</u>

In compliance with the duty of disclosure under 37 CFR §1.56, and in accordance with the practice under 37 CFR §1.97 and §1.98, the Examiner's attention is directed to the documents listed on the enclosed modified Form PTO-1449. No inference should be made that the cited references are in fact material, are in fact prior art, or that no better art exists. The cited patents are listed in numerical order and are not in any order based on their pertinence.

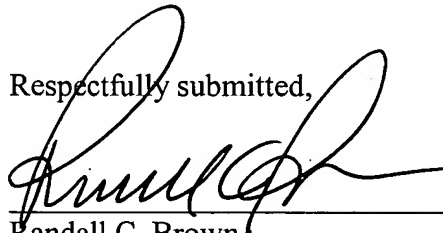
The above-identified application was filed after June 30, 2003. Therefore, pursuant to the waiver of the requirement under 37 CFR 1.98 (a)(2)(i) as stated in a Pre-OG Notice dated July 11, 2003, copies of only the foreign patent documents and non-patent literature listed on the enclosed modified Form PTO-1449 are attached.

This Information Disclosure Statement is being filed within three months of the United States filing date or before the mailing date of a first Office Action on the merits. No certification or fee is required (37 CFR §1.97(b)).

The Commissioner is hereby authorized to charge any additional fees which may be required or credit any overpayment to Deposit Account 08-1394.

It is respectfully requested that the above information be considered by the Examiner and that a copy of the enclosed Form PTO-1449 be returned indicating that such information has been considered.

Respectfully submitted,



Randall C. Brown

Registration No. 31,213

Date: 1/8/04  
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In place of PTO-1449 Form		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Complete if Known		
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (use as many sheets as necessary) JAN 12 2004 U.S. PATENT & TRADEMARK OFFICE		Application Number	10/648,047			
		Filing Date	8/26/03			
		Applicant(s)	B. H. McAnalley et al.			
		Art Unit	N/A			
		Examiner Name	N/A			
SHEET 1 OF 2		Attorney Docket Number	23100.61			

U. S. PATENT DOCUMENTS				
Examiner's Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		6,086,910	7/11/2000	Howard et al.
		6,231,877	5/15/2001	Vacher et al.
		2002/0182736A1	12/5/2002	Aldini et al.

FOREIGN PATENT DOCUMENTS					
Examiner's Initials	Cite No.	Foreign Patent Document (Country Code - Number - Kind)	Publication Date MM-DD-YYYY	Patentee or Applicant of Cited Document	Translation Y/N

OTHER PRIOR ART		
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume, issue number(s), publisher, city/country where published
		AlSheikhly et al., "Chain-Propagation Length of Linoleic Acid Peroxidation in Aqueous Monomeric and Micellar Systems", J. Phys. Chem. (1989), Vol. 93, pp. 3103-3106.
		Barclay et al., "Benzophenone-photosensitized autoxidation of linoleate in solution and sodium dodecyl sulfate micelles", Can. J. Chem. (1987), Vol. 65, p. 2529-2540.
		Burton et al., "Autoxidation of Biological Molecules. 1. The Antioxidant Activity of Vitamin E and Related Chain-Breaking Phenolic Antioxidants in Vitro", J. Am. Chem. Soc. (1981), Vol. 103, pp. 6472-6477.
		Cao et al., "Increases in human plasma antioxidant capacity after consumption of controlled diets high in fruit and vegetables," Am. J. Clin. Nutr. (1998), Vol. 68, pp. 1081-7.
		Castle et al., "Inhibition Kinetics of Chain-Breaking Phenolic Antioxidants in SDS Micelles. Evidence That Intermicellar Diffusion Rates May Be Rate-Limiting for Hydrophobic Inhibitors Such as $\alpha$ -Tocopherol", J. Am. Chem. Soc. (1986), Vol. 108, pp. 6381-6382.
		Cosgrove et al. "The Kinetics of the Autoxidation of Polyunsaturated Fatty Acids", Lipids (1987), Vol. 22, pp. 299-304.
		Halliwell et al., "Free Radicals in Biology and Medicine," Oxford University Press, 2001, pp. 55-72.
		Huang et al., "Development and Validation of Oxygen Radical Absorbance Capacity Assay for Lipophilic Antioxidants Using Randomly Methylated $\beta$ -Cyclodextrin as the Solubility Enhancer," J. Agric. Food Chem. (2002), Vol. 50, pp. 1815-1821.

Examiner Signature		Date Considered	
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

In place of PTO-1449 Form		U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		Complete if Known							
		Application Number		10/648,047							
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		Applicant(s)		B. H. McAnalley et al.							
		Art Unit		N/A							
		Examiner Name		N/A							
SHEET		2		of		2		Attorney Docket Number		23100.61	

U. S. PATENT DOCUMENTS				
Examiner's Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document

FOREIGN PATENT DOCUMENTS					
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OTHER PRIOR ART		
Examiner's Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article, title of the item, date, page(s), volume, issue number(s), publisher, city/country where published
		Niki et al., "Inhibition of Oxidation of Methyl Linoleate in Solution by Vitamin E and Vitamin C", J. Biol. Chem. (1984), Vol. 259, pp.4177-4182.
		Ou et al., "Development and Validation of an Improved Oxygen Radical Absorbance Capacity Assay Using Fluorescein as the Fluorescent Probe," J. Agric. Food Chem. (2001), Vol. 49, pp. 4619-4626.
		Packer et al., "Direct observation of a free radical interaction between vitamin E and vitamin C," Nature (1979), Vol. 278, pp. 737-738.
		Pryor et al., "A Rapid Screening Test To Determine the Antioxidant Potencies of Natural and Synthetic Antioxidants", J. Org. Chem. (1993), Vol. 58, pp.3521-3532.
		Pryor et al., "Comparison of the Efficiencies of Several Natural and Synthetic Antioxidants in Aqueous Sodium Dodecyl Sulfate Micelle Solutions, J. Am. Chem. Soc. (1988), Vol. 110, pp. 2224-2229.
		Pryor et al., "Autoxidation of Micelle-Solubilized Linoleic Acid. Relative Inhibitory Efficiencies of Ascorbate and Ascorbyl Palmitate", J. Org. Chem., (1985), Vol. 50, pp. 281-283.
		Yilmaz et al., "Reaction of $\beta$ -carotene and AAPH in phosphate buffer during the oxygen radical absorbance capacity (ORAC) assay," Food Science and Technology (2001).

Examiner Signature		Date Considered	
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